

7.

FIG. 1

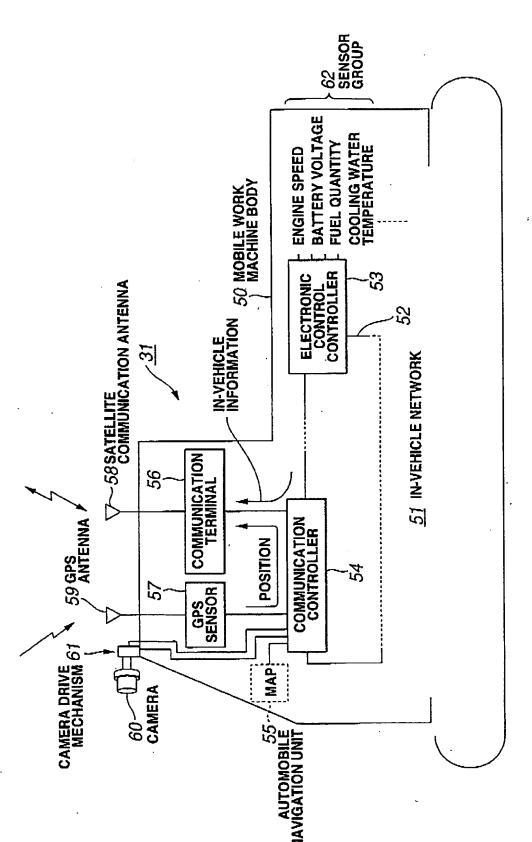


FIG 2

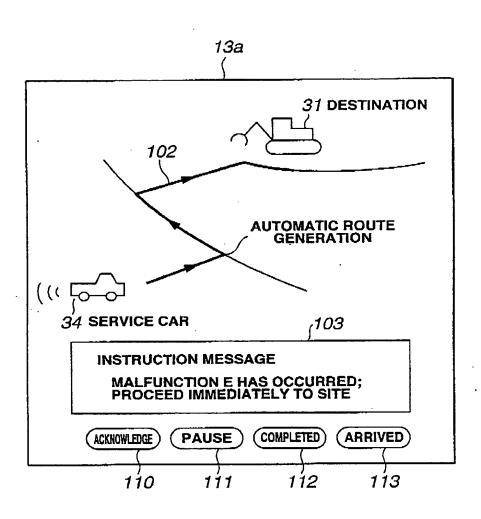


FIG.3

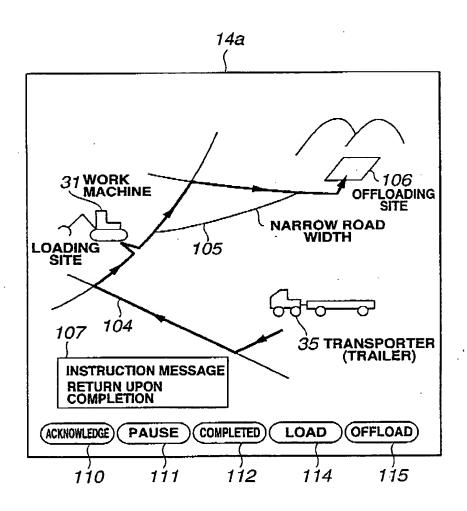


FIG.4

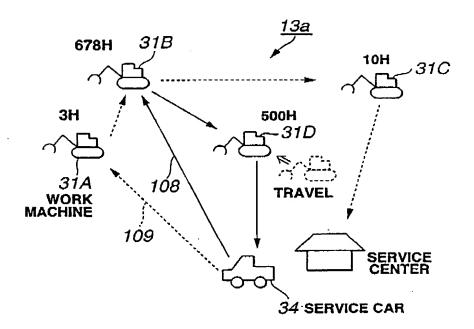


FIG.5

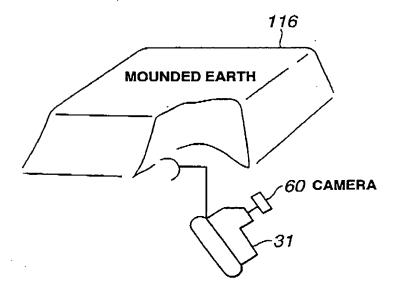
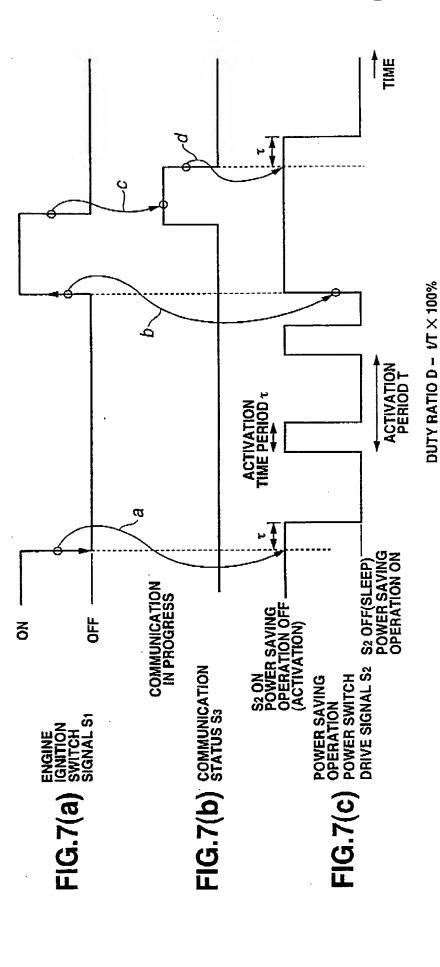
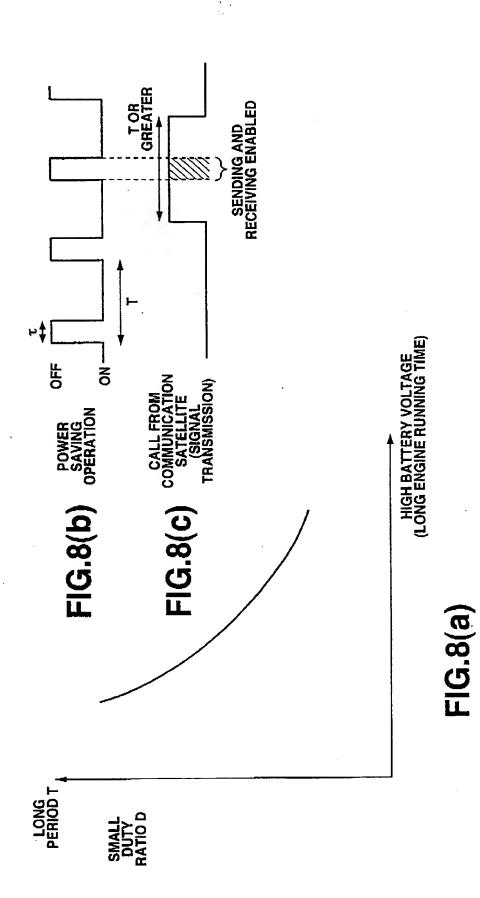


FIG.6





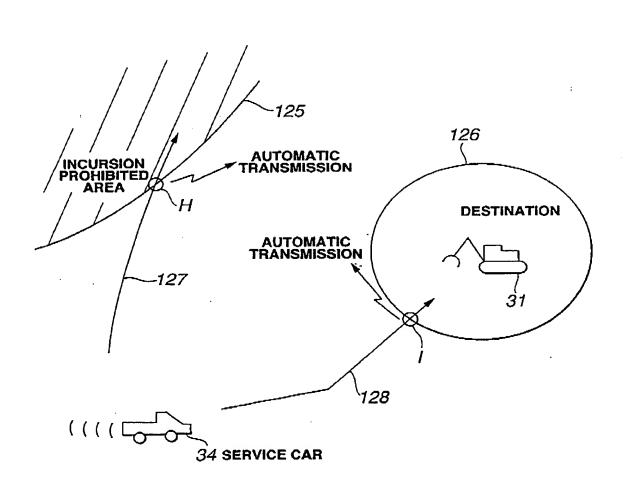
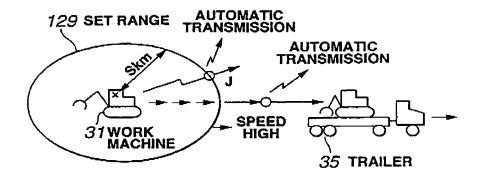


FIG.9



**FIG.10** 

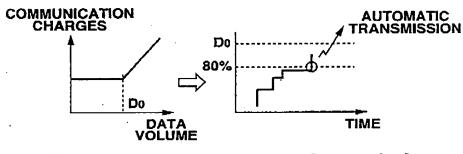
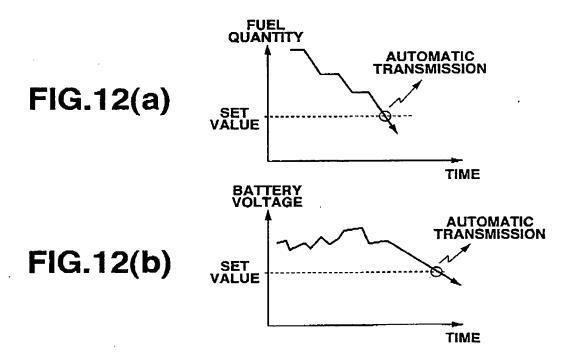
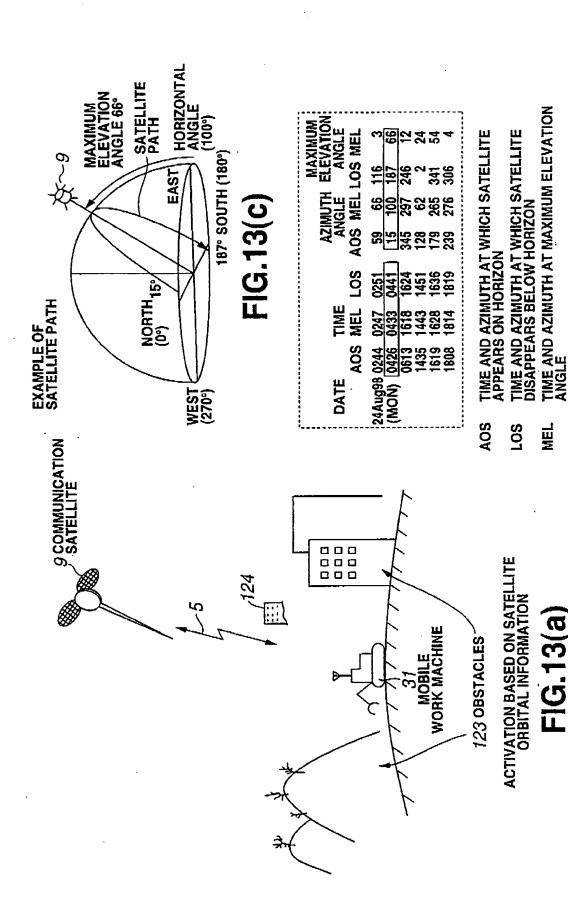


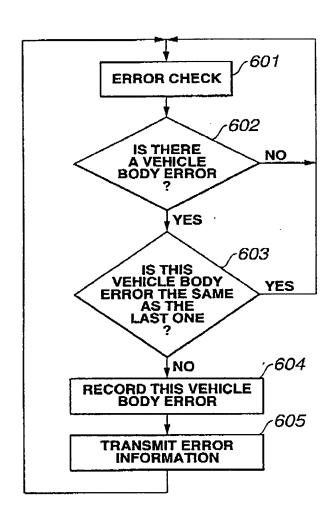
FIG.11(a)

FIG.11(b)

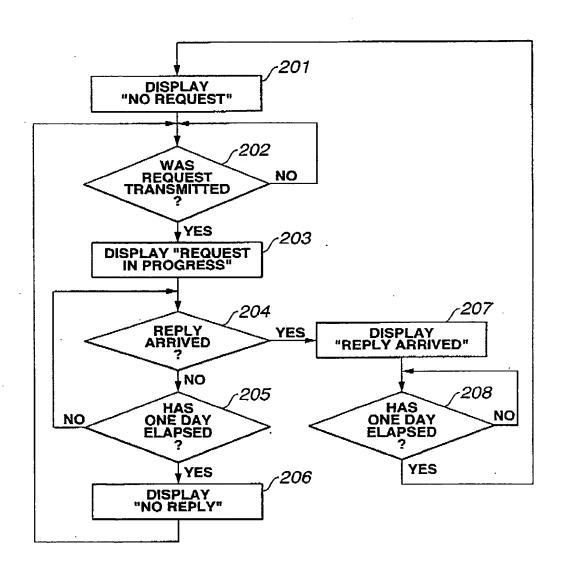




### FIG.13(b)



**FIG.14** 



**FIG.15** 

		NO REQUEST	REQUEST IN PROGRESS	REPLY ARRIVED	NO REPLY
FIG.16(a)	COLOR (PATTERN)		YELLOW	GREEN GREEN	→ RED
FIG.16(b)	SHAPE	Ą	Ţ		<del>-</del>
FIG.16(c)	SIZE	MEDIUM	MEDIUM	LARGE	SMALL SMALL
FIG.16(d)	CHANGE	- <del>-</del>	ROTATION	MOVEMENT	AWING S

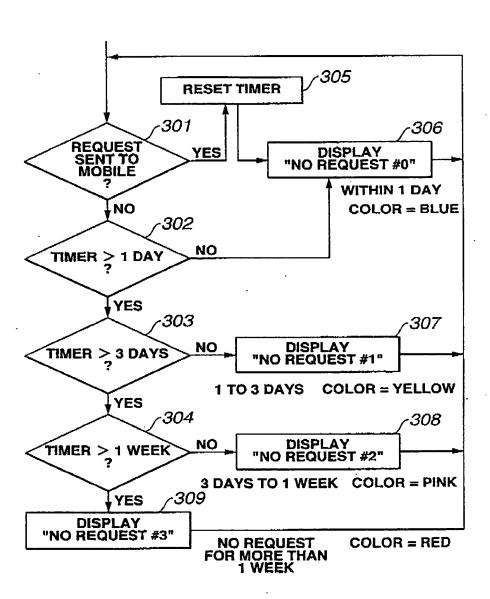
SERVICE METER	12 <b>0H</b>	39H	405H	H26	381H
POSITION	СІТУВ	TOWN E	TOWN A	TOWNC	скту в
VEHICLE NUMBER	102	234	23	117	233
COMMUNICATION STATUS	YELLOW YELLOW	AELLOW	ALLA BLUE	ALD BLUE	BLUE STUE
	/ ->-	1	\	)	)
. 31	REARRANGE ACCORDING TO COMMUNICATION STATUS	32~	\	36.	37
SERVICE 31	405H COMMUNICATION STATUS	120H 32	97н	381H	Н6Е
POSITION SERVICE	ACCORI COMMUN STA			F	
POSITION SERVICE	IN A 405H COMMUN STA	120H	H26	381H	39H
TION SERVICE	TOWN A 405H COMMUN	CITY B 120H	TOWN C 97H	CITY D 381H	TOWN E 39H

## FIG.17(b)

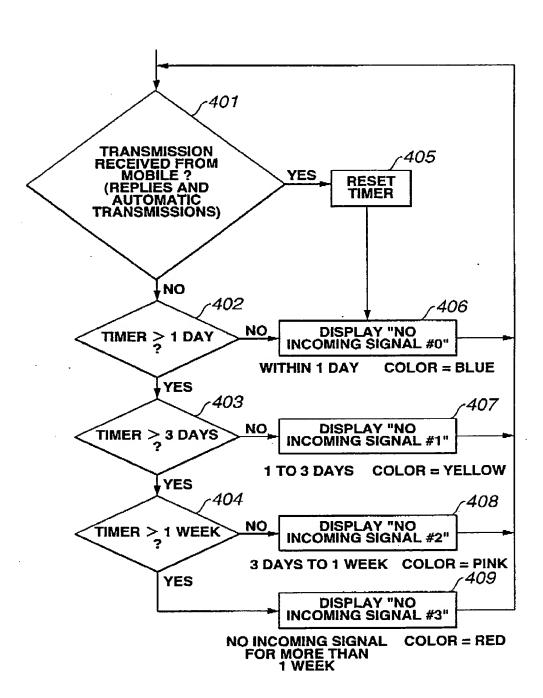
FIG.17(a)

EXTRACT		1) [2] [5]	<u>a</u>	
7	COMMUNICATION VEHICLE STATUS		POSITION	SERVICE METER
31	YELLOW YELLOW	102	сіту в	120H
32 ~	YELLOW	234	TOWN E	Н6Е

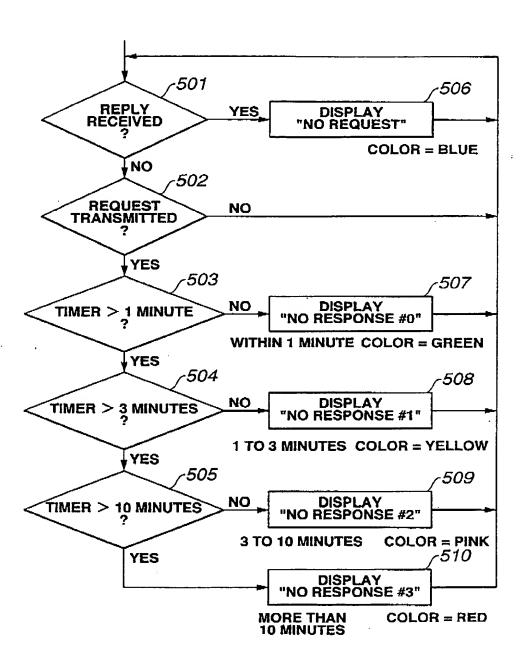
## FIG.17(c)



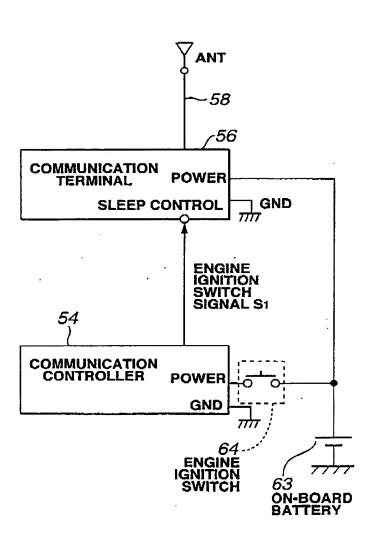
**FIG.18** 



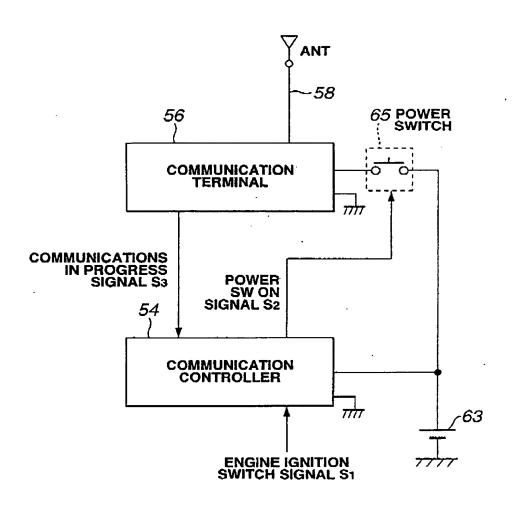
**FIG.19** 



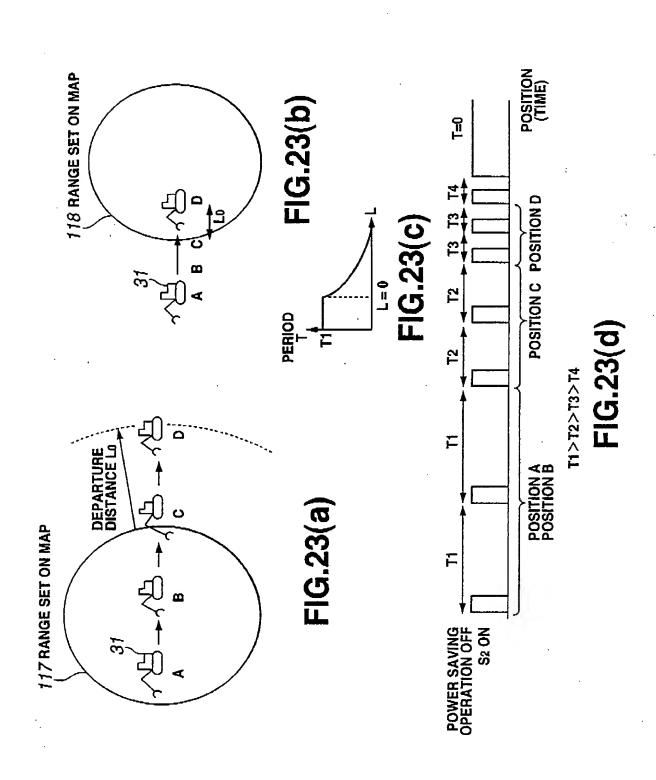
**FIG.20** 



**FIG.21** 



**FIG.22** 



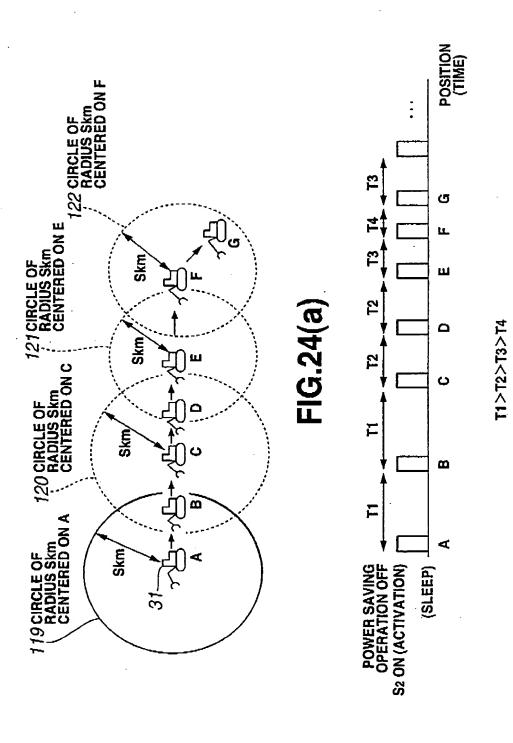
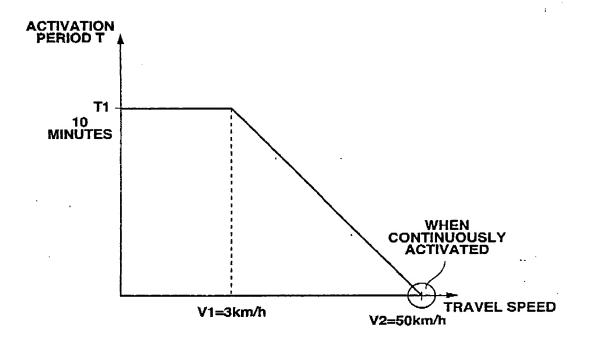
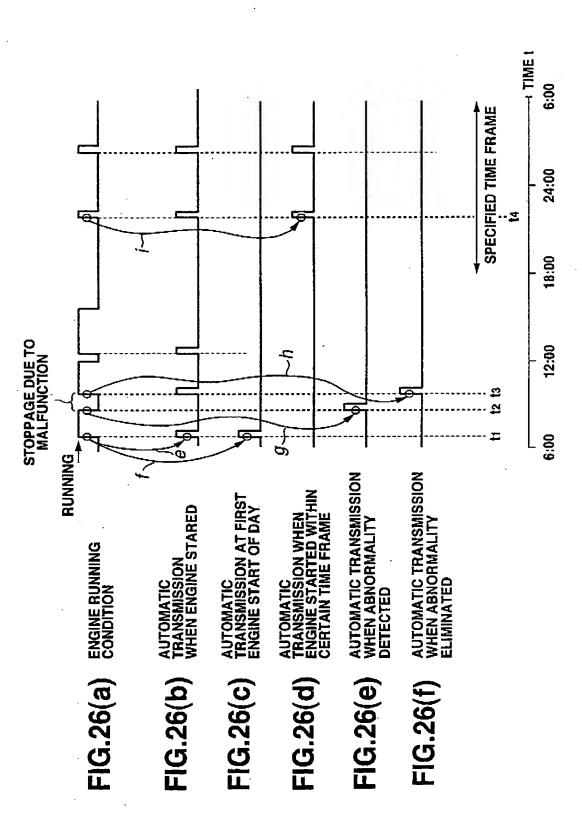


FIG.24(b)



**FIG.25** 



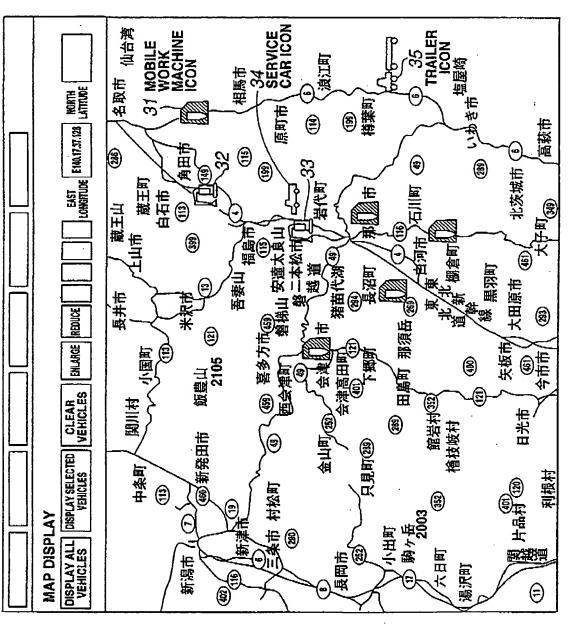
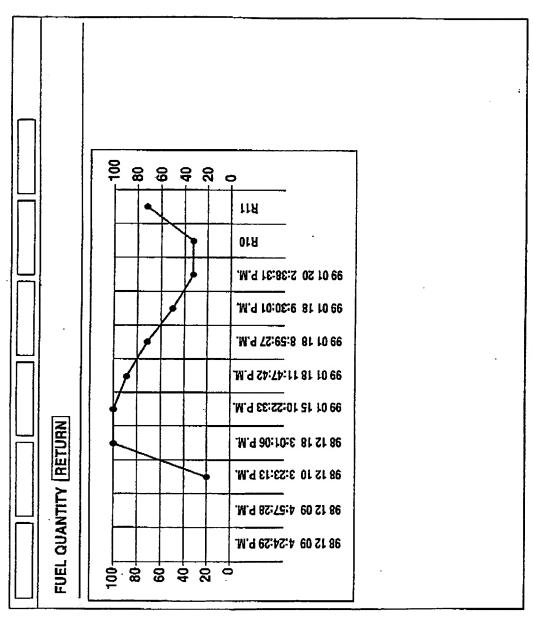


FIG.27

					IMAGE CAPTURED BY CAMERA	7116				-			
TURN					GRAPH	GRAPH	GRAPH	GRAPH					
DATA RE	<u> </u>	ອ	СВАРН		%	RPM	٨	kg/cm²				•	
ATEST		39.17.54.21			06	1340	26	35					
DATA BY VEHICLE MODEL : LATEST DATA RETURN	POSITION DATA : HISTORY	88/10/19 3:58:30 P.M. H35.19.15.240 E139.17.54.210	SERVICE METER   98/10/19 3:58:30 P.M.	4TA	FUEL QUANTITY 98/09/10 5:06:38 P.M. 90	ENGINE SPEED 98/09/10 5:06:38 P.M. 1340	BATTERY VOLTAGE   98/09/10 5:06:38 P.IM.   26	PUMP PRESSURE 98/09/10 5:06:38 P.M. 35	98/09/10 5:06:38 P.M.				GRAРН
DATA BY VEH	POSITION D.	98/10/19 3:58:30	SERVICE METER	SPECIFIC DATA	FUEL QUANTITY	ENGINE SPEED	BATTERY VOLTAGE	PUMP PRESSURE	WORK MODE				RUNNING MAP

**FIG.28** 



									:
RETURN	08:00 20:00	00:02	00:02 00:80	111111111111111111111111111111111111111	00:02 00:00	GB:00 Z:00	08:00 28:00	00:02 00:00	96:00 20:00
RUNNING MAP RE	98/12/09	98/12/10	98/12/11	98/12/12	98 / 12 / 12	98/12/13	98/12/14	98/12/15	98/12/16

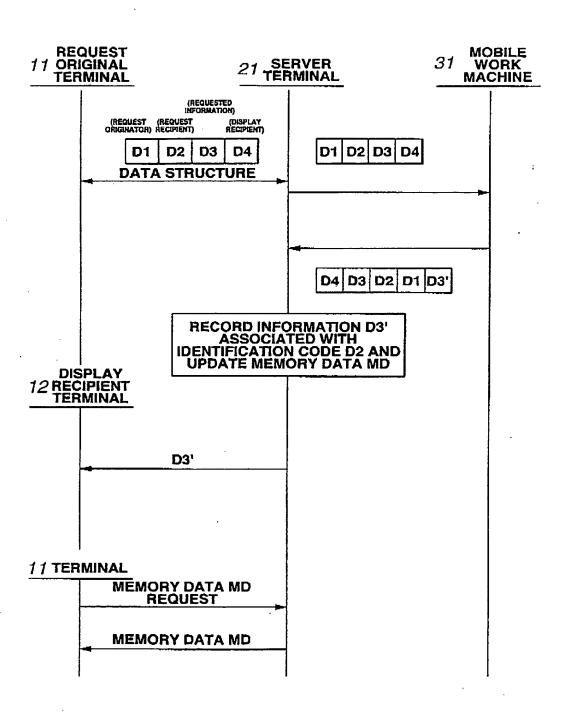
 							_			
		2.0		Œ				Œ		
		CONSTRUCTION MACHINE TYPE	CRANE	WHEEL LOADER	SPECIAL	CRANE	BULLDOZER	WHEEL LOADER	:	÷
		MANU. FACTURER								
		Car 10	2	28	26	25	30	29	20	
MOBILE LIST DISPLAY		UTILIZING USER	ASAYAMA KENSETSU	SUZUKI JUK	MIZUI DOBOKU	MIZUI DOBOKU	SUZUKI JUKI	HIRAKI SAISEKI	BREWERY	
MOBILE		PURCHASING USER	ASAYAMA KENSETSU	SUZUKI JUKI	ABE RENTAL	ABE RENTAL	SUZUKI JUKI	HIRAKI SAISEKI	НОЅ	
		NO.	0	-	7	က	4	ည	9	
	اً ا	SELECTIONS	PROCESSING DONE	REQUEST IN PROGRESS	REQUEST IN PROGRESS	REQUEST IN Progress	NORMAL	NORMAL	NORMAL	
56	, c		囮	4	4	四			E.	

#### FIG.31

101

REQUEST EXECUTION			,
REQUEST	ELECTA	SELECTION OF RECIPIENT OF VEHICLE DATA SENT BACK	F OF
٣ ٢	퍨	REPLY RECIPIENT TERMINAL	
TRANSMISSION BYTES 6 RECEPTION BYTES 6 CURRENT BYTE COUNT (1089)	ADMI	ADMINISTRATOR A	
	ADMI	ADMINISTRATOR B	
	SERV	SERVICE CAR	
	TRAILER	ER	
BASIC DATA			
☐ VEHICLE POSITION ☐ SERVICE METER			
	<u> </u>		
☐ SPECIFIC SINGLE METER			
ALL ON ALL OFF			
C) FUEL QUANTITY			
□ WORK MODE			
☐ YEHICLE BODY ALARM 1			
CI VEHICLE BODY ALARM 2			
CI BATTERY VOLTAGE			
C) EHGINE WATER TEMPERATURE			
C) ENGINE SPEED			
CI PUMP PRESSURE			

EXAMPLE OF SCREEN FOR MAKING INFORMATION REQUEST TO MOBILES



**FIG.33** 

## NOTIFICATION SCREEN

There were 7 noticed as of 10:21:31 a.m. on 00/01/31. No.1 to no.7 are displayed.

Previous 20 notices Next 20 notices Page: 1

SET VEHICLE TO WATCH

WATCH	TIME	MANU- FACTURER	MODEL	MODEL	MACTURER MODEL MACHINE NUMBER	ID1 ID2	102	CONTENT
	2000/01/31 08:38	38 COMPANY PC60	PC60	2	0251	K623	-	The lock was set by remote.
	2000/01/30 21:14	14 COMPANY	PC200	39	1338	K005		Vehicle engine started outside regular hours.
2	2000/01/30 03:20	20 COMPANY	PC75UU	ო	3007	K108		No confirmation of locking received from vehicle.
	2000/01/29 20:28	2B COMPANY	PC75UU	က	0011	K008		The battery voltage is low.
	2000/01/29 09:57	57 COMPANY PC75UU	PC75UU	က	7789	K315		The vehicle is out of range.
	2000/01/29 05:25	25 COMPANY	PC200	39	7633	K311		Vehicle engine started outside regular hours.
2	2000/01/28 21:54	54 COMPANY PC75UU	PC75UU	3	5422	K116		No communication with vehicle for 36 hours or more.

ORGANIZE NOTICES

.

\*This screen is automatically updated at a certain time interval.

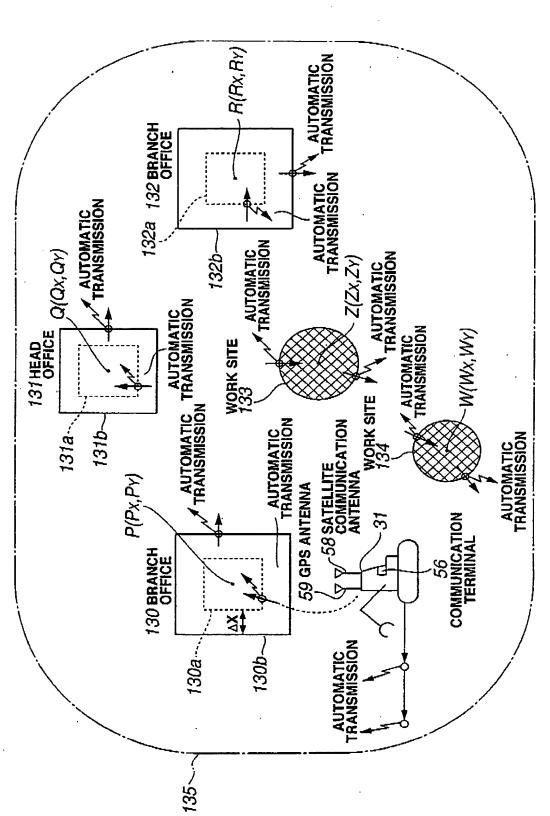


FIG.35

# **SCREEN OF ENTRY AND LEAVING**

LATEST ITEMS FROM NO.1 TO NO.10 DISPLAYED. PREVIOUS 20 ITEMS NEXT 20 ITEMS PAGE:1

TIME	PARTICULARS OF ENTRY AND LEAVING
1999/11/15 16:19:00	LEFT SOUTH TOKYO OFFICE.
1999/11/15 15:37:00	ENTERED SHIRAKAWA BRANCH OFFICE.
1999/11/15 13:53:00	1999/11/15 13:53:00 LEFT WEST TOKYO OFFICE.
1999/11/12 14:37:00	1999/11/12 14:37:00 LOCATED AT WEST TOKYO OFFICE.
1999/11/12 14:17:00	ENTERED WEST TOKYO OFFICE.

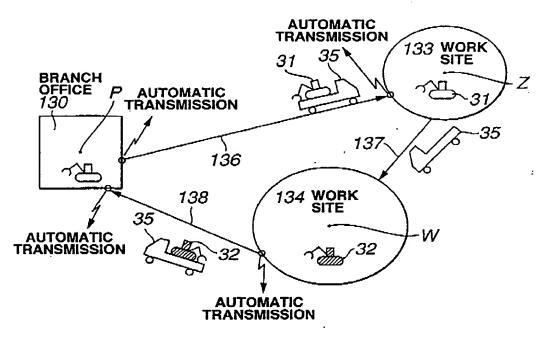


FIG.37(a)

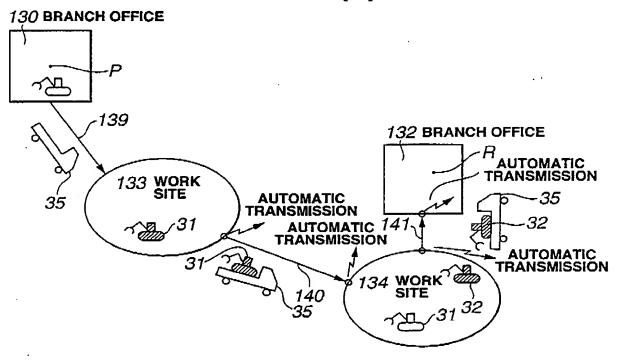
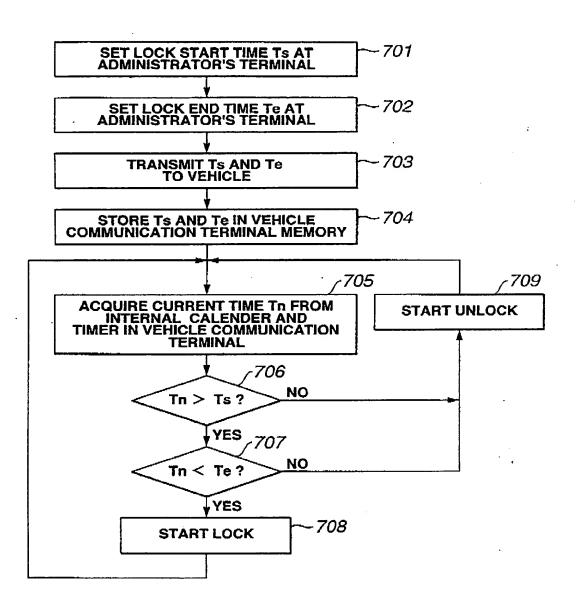
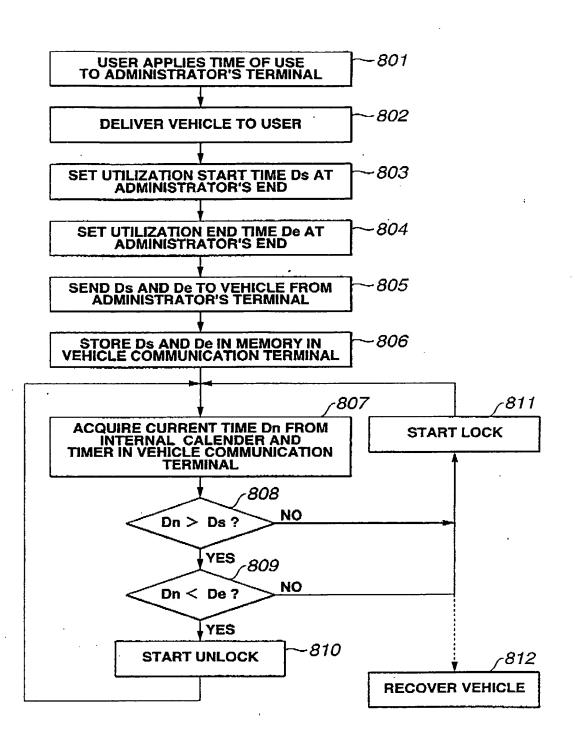


FIG.37(b)



**FIG.38** 



. . . .

**FIG.39** 

7	

FIG.40

CHARGES: XXXXXXXX YEN (TOTAL 49 HOURS 6 MINUTES)

